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## Listing of Claims

The following listing of claims will replace all prior versions, and listings, of claims in the subject application:

1. (currently amended) A phase-change type optical information recording medium comprising:

a transparent substrate; a first protective layer on the substrate; a recording layer on the first protective layer; a second protective layer on the recording layer; and a reflective layer on the second protective layer,

wherein the recording layer includes as a main component  $\frac{Ag\alpha In_{\beta}Sb_{\gamma}Te\delta}{Ag\alpha In_{\beta}Sb_{\gamma}Te\delta} \text{ where } \alpha\text{, } \beta\text{, } \gamma\text{, and } \delta \text{ represent atomic}$  percents and satisfy the relations:

 $0.1 \leq \alpha \leq 2.0$ ,

 $3.0 \le \beta \le 8.0$ ,

 $65.0 \le \gamma \le 75.0$ ,

15.0  $\leq \delta \leq$  30.0, and

 $97 \le \alpha + \beta + \gamma + \delta \le 100$ ; and

wherein assuming that a minimum recording linear velocity to be  $V_1$ , a maximum recording linear velocity to be  $V_2$ , and a degree of modulation at the time of reading out information to be  $I\left(V\right)$ , then a value of  $I\left(V_2\right)/I\left(V_1\right)$  is within a range from 1 to 1.2.

2. (original) The phase-change type optical information recording medium according to claim 1, wherein a ratio between the maximum recording linear velocity  $V_2$  and the minimum

Masaki KATOH et al., S.N. 09/928,882 Dkt. No. 2271/65729 Page 4 recording linear velocity  $V_1$  is  $V_2/V_1 \geq$  2.5.

- 3. (original) The phase-change type optical information recording medium according to claim 1, wherein the minimum recording linear velocity  $V_1$  is 4.8 m/s or more.
- 4. (original) The phase-change type optical information recording medium according to claim 3, wherein the maximum recording linear velocity  $V_2$  is 12.0 m/s or more.

Claim 5 (canceled).

- 6. (previously presented) The phase-change type optical information recording medium according to claim 1, wherein the AgInSbTe further contains nitrogen.
- 7. (previously presented) The phase-change type optical information recording medium according to claim 1, wherein a thickness of the recording layer is in a range from 13 nm to 23 nm.
- 8. (currently amended) A phase-change type optical information recording medium comprising at least one recording layer which records information based on crystalline-to-crystalline or crystalline-to-amorphous transition,

the phase-change type optical information recording medium

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being rotated around a center of rotation when recording information in or reading information from said recording layer,

wherein the recording layer includes as a main component  $\frac{Ag\alpha In_{\beta}Sb_{\gamma}Te_{\delta}}{Ag_{\alpha}In_{\beta}Sb_{\gamma}Te_{\delta}} \text{ where } \alpha\text{, } \beta\text{, } \gamma\text{, and } \delta\text{ represent atomic}$  percents and satisfy the relations:

- $0.1 \leq \alpha \leq 2.0$ ,
- $3.0 \le \beta \le 8.0$ ,
- $65.0 \le \gamma \le 75.0$ ,
- 15.0  $\leq \delta \leq$  30.0, and
- 97  $\leq \alpha + \beta + \gamma + \delta \leq 100$ ; and

wherein when the minimum and maximum linear velocities of rotation are respectively  $V_1$  and  $V_2$ , then a value of a degree of modulation corresponding to the maximum linear velocity  $I\left(V_2\right)$  divided by a degree of modulation corresponding to the maximum linear velocity  $I\left(V_1\right)$  is between 1 and 1.2.

- 9. (previously presented) The phase-change type optical information recording medium according to claim 8, wherein a ratio between the maximum recording linear velocity  $V_2$  and the minimum recording linear velocity  $V_1$  is  $V_2/V_1 \geq 2.5$ .
- 10. (previously presented) The phase-change type optical information recording medium according to claim 8, wherein the minimum recording linear velocity  $V_1$  is 4.8 m/s or more.
  - 11. (previously presented) The phase-change type optical

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information recording medium according to claim 10, wherein the maximum recording linear velocity  $V_2$  is 12.0 m/s or more.

- 12. (previously presented) The phase-change type optical information recording medium according to claim 8, wherein the AgInSbTe further contains nitrogen.
- 13. (previously presented) The phase-change type optical information recording medium according to claim 8, wherein a thickness of the recording layer is in a range from 13 nm to 23 nm.